NMRA

Bulletin

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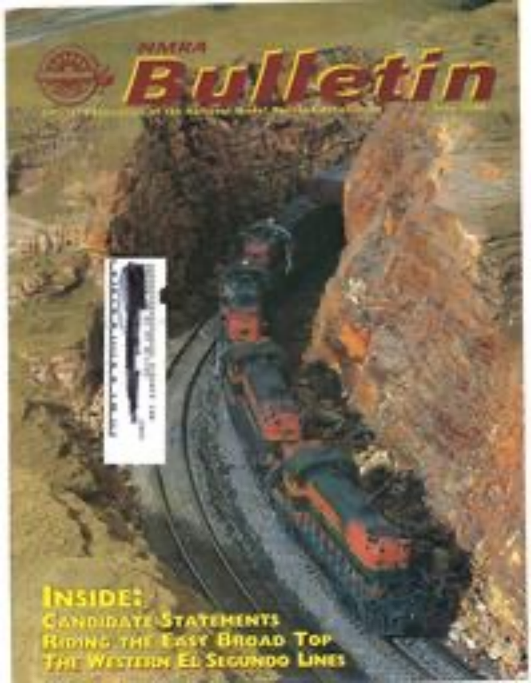

INSIDE:

CANDIDATE STATEMENTS

RIDING THE EASY BROAD TOP

THE WESTERN EL SEGUNDO LINES

ARISTO CRAFT TRAINS

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[illegible]

ARISTO-CRAFT TRAINS

ART-5470 TRAIN ENGINEER SYSTEM

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NMRA Bulletin

Official Publication of the
National Model Railroad Association
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[illegible] **Candidate Statements**

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Page [illegible]

Page [illegible]

Page [illegible]

Departments

[illegible] [illegible]
[illegible] Checking Signals
[illegible] Product Review
[illegible] Region Roundup
[illegible] Bulletin Board
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for

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For Mid-Eastern Region—[illegible]

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For Northeastern Region—[illegible]

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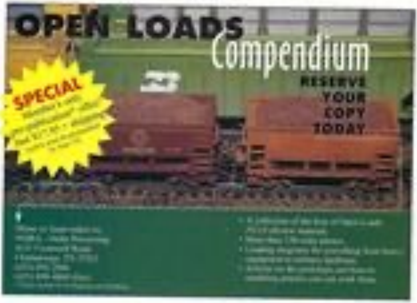

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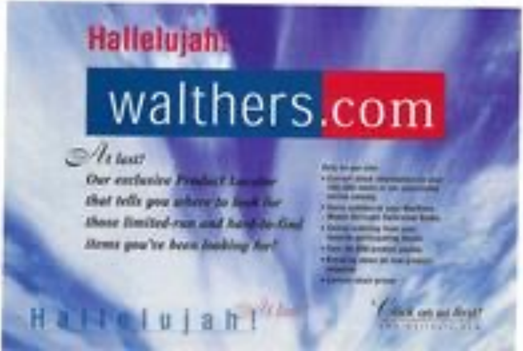

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Miscellaneous

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Product Review

Atlas AEM-7

By [illegible]
Photos by the author

THE PROTOTYPE

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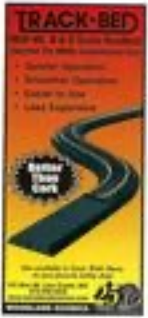
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Continued on page 17

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Region Roundup

Continued from page 15

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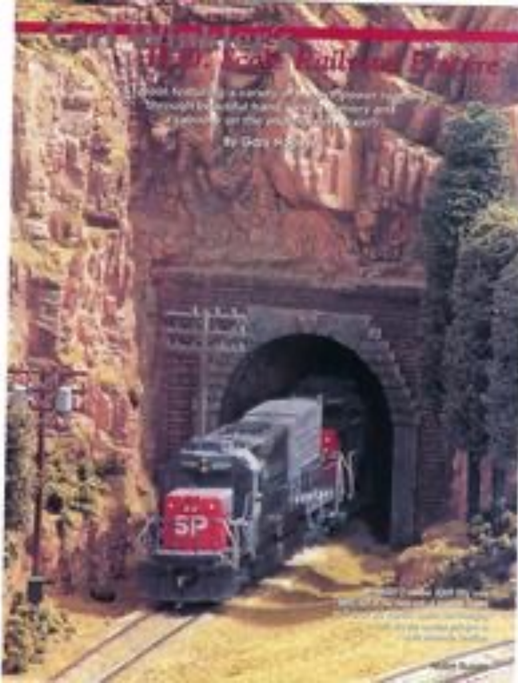


[illegible]

If [illegible]

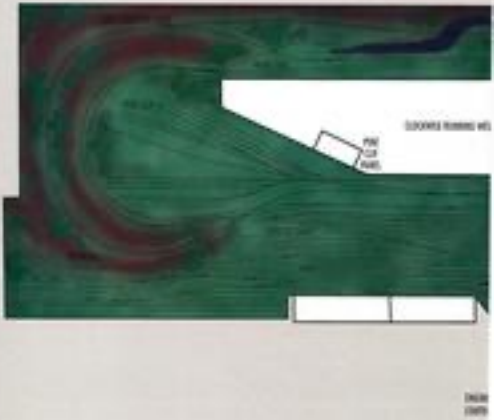
Design and Construction

[illegible]

[illegible]

Right - The CP Rail freight is threading the crossover track from the mainline into the west end of Castle Mountain Junction. All trackwork on the mainline is handlaid code 100 with PR turnouts.

Approaching Diamond Canyon, we catch the CP Rail freight crossing the [illegible] Reservoir. [illegible] with a top coat of urethane clear gloss varnish to model his water.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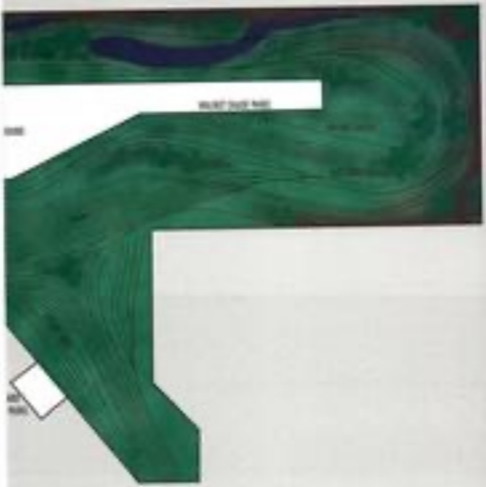


Above - Rail traffic is usually heavy in the town of Walnut Shoals due to shipments in and out of the local industries and the busy passenger station on the edge of town. The SP freight has just changed crews and is holding the main while the Central of Georgia local takes the next switch into Walnut Shoals. Below - The vast variety of motive power on Carl's layout is probably most evident in Sundre Yard as seen here. Sundre Yard is short for "[illegible] Alberta" and was named after the actual Canadian Pacific yard in Alberta, Canada.

Left - The two main cabs located on this neatly laid out panel, control all main line operations.

Above - A variety of modern power and rolling stock can be seen on Carl's layout. Here, locomotives from the CP, UP and [illegible] MP as the [illegible] sit outside the engine house in the town of Pinecliff.

[illegible]

[illegible]

This scene gives the viewer a real feeling of isolation. A heavier weathering effect has been applied to the steel arch bridge. Seeing a UP Rail freight is usually a rare [illegible] since this is Carl's favourite prototype road.

Castle Mountain tower stands guard in the middle of Diamond Canyon while Great Northern power passes through. The junction provides interchange between several mainline routes.

The deep rock cut near [illegible] illustrates Carl's excellent rock carving technique. Scenery that complements the locomotives and rolling stock provides an extra degree of realism not only in photos, but also when viewing the scene in person.

[illegible]

Operation and Control

[illegible]

[illegible]

This westbound SP freight is en route to [illegible]. All of Carl's locomotives and rolling stock receive some degree of weathering before being placed in service on the railroad. Brushed-on acrylic washes and dry brushing are used to weather locomotives and rolling stock.

[illegible]

Carl has developed a simple method of remotely throwing his turnouts. Simply touch the hand held turnout probe to the electrical stud located next to the desired turnout and the turnout is thrown. Setting up routing for a train through the yard tracks is quickly and easily accomplished with this system.

[illegible]

The Future

[illegible]

Riding the spectacular

EAST BROAD TOP

East Broad Top Mikado No. [illegible] along the main line [illegible] Orbisonia, Pennsylvania

[illegible]

[illegible]

[illegible]

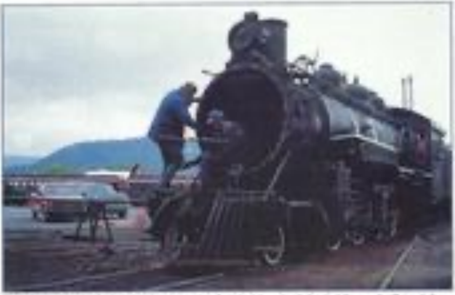
[illegible]

In the days leading up to the East Broad Top's fall spectacular, clean-out maintenance equipment is sent out with the track gang to check the main line. During summer special days, the old dispatcher's office was upstairs in the station.

[illegible]

[illegible]

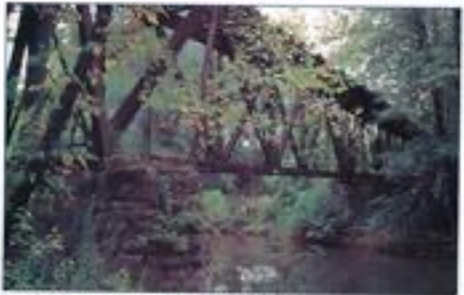
[illegible]



Some parts are adjusted while new boiler tubes are being installed in No.[illegible] two days before the fall spectacular. The steel pipe inserted in the tube sticking out of the front of the locomotive is used for leverage to help guide it into the correct hole in the flue tube wall at the back end of the boiler. Three passenger coaches wait on the shop lead in the background.

[illegible]

The M-1, the only true narrow-gauge gas-electric car ever built rests in the mist near the turntable. This car only runs during the fall spectacular on the Columbus Day weekend.



The main line is almost all still there; rails, bridges, tunnels and few side buildings. The Pogue bridge, located about 2-1/2 miles south of Orbisonia, is the longest bridge along the East Broad Top.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Both the Wray's Hill tunnel (seen here) and Sideling Hill tunnel need only minor rock work to make them serviceable. The dream of many who know the East Broad Top is to see trains running along the main line all the way from Mount Union to Robertsdale.

Ten minutes after the passenger train has gone by, No. [illegible] and No. 12 charge through the scene pulling the [illegible] photo train. [illegible]

Both of the East Broad Top's two cabooses are highly sought after. Normally during the fall spectacular, one caboose serves as the tail end of the miner's photo train while the other is assigned to the freight.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Just after the miner's photo train has gone by No. 17 bursts onto the scene pulling a classic freight. No. 17 is one of the three heaviest 2-8-2s on the EBT roster. Nos. 14 and 15 are stored in the roundhouse at Orbisonia. They are in good shape but are surplus to the railroad's current needs.

No.12, the lightest 2-8-2 as the crew blows down in the mist near the turntable.

[illegible]

AAR rules for loading aluminum ingots on bulkhead flatcars recommend that the ingots be positioned against the bulkhead and blocking or bracing be added to hold them in place.

Improving Commercially-Available Loads

By Tom Persson

Have you noticed?

[illegible]

The appearance of this Walthers lumber load was enhanced by outlining the bundles with a black fine point marker and adding tie-down cables. Model by David Scott; Tom Persson photo.

[illegible]

This lumber ingot load was improved by the addition of banding and separators made from scale lumber. Nut-bolt-washer castings were added to the ends of the separator blocking per recommended prototype practice.

[illegible]

If you visited CP Rail's Pigs Eye yard in St. Paul during the 1999 NMRA convention, you may have seen steel rail loads like this one. The car is an [illegible] Shops model.

[illegible]

By converting its flatcar fleet into a bulkhead container, [illegible]'s dump box load was modernized for the intermodal era.

[illegible]

A load of coiled steel can be made removable by gluing the coils to the trough, which hold them in place in a gondola. Periodically changing the loads your freight cars carry can add some variety, or make an operating session more interesting. The steel coils are sold by Con-Cor and the trough came from a Walthers kit.

[illegible]

Your Electrons are Going Where,

In What Direction

Or Which Rail Is Positive?

[illegible]

> You need to fabricate a simple tool to trace the polarity and/or the presence of the electrical current on the rails.

[illegible]

TABLE II

Part Identification Radio Shack	Supplier number	Remarks
Old ball point pen	Not Applicable	[illegible]
LED	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	Unknown	18 to 22 gauge stranded
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	Unknown	[illegible]
[illegible]	Unknown	[illegible]

[illegible]

Western El Sugundo Lines

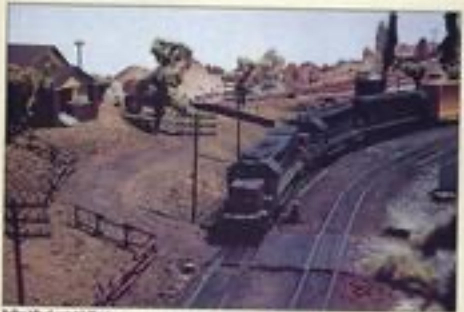
By Mary Barstow

LOS ANGELES EXTRA 2000

[illegible]

[illegible]

[illegible]



Rolling hills of central California

The Sierra Foothills on Dennis Pearson's module.

[illegible]

[illegible]

Members set up for outside photo shoot. Club's corner module is under construction. (Photo by Scott Tobler)

[illegible]

[illegible]

Scott Tobler's Orange Grove Station.

[illegible]

[illegible]

[illegible]

A club-owned scene. The trestle was constructed by Doug Kirkamp. Photo by Mary Barstow.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Dennis Pearson's furniture factory in the town of Greenville.

Financial *Statements*

National Model Railroad Association, Inc.
Profit and Loss
September 9, 1998 through August 31, 1999

Statement of *Financial Position*

ORDINARY INCOME/EXPENSE	
Income	
Regular Dues	609,075.03
Affiliates Dues	10,105.24
Family Dues	2,965.83
Youth Dues	3,096.21
Sustaining Dues	12,164.00
Life Member Dues	976.60
Single Membership Support	431.30
Facilities Development Account	7,806.72
Book Publications	34,591.44
Departmental Income	99,333.69
Advertising Income	179,693.96
Heritage Cars	5,183.19
Legends Car Income	24,404.20
Fundraising	64,673.01
National Train Show Income	16,305.00
Contributions	1,966,509.76
Undesignated Income	5,394.79
Total Income	3,173,715.49
Cost of Goods Sold	
Cost of Goods Sold	59,998.63
Total COGS	59,998.63
GROSS PROFIT	3,113,716.86

Financial Statements

Statement of Activities

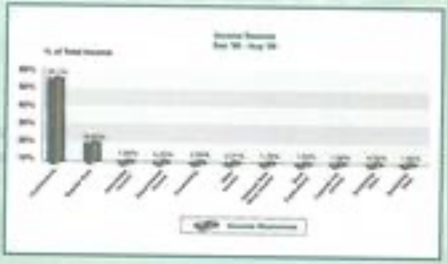
Expense	
Telephone expense	35,132.75
Postage expense	71,549.75
Shipping expense	47,986.75
Photocopy Expense	3,432.39
Printing expense	314,406.85
Supplies	29,068.40
Personnel Expenses	3,077.83
Travel	105,852.34
Awards	5,466.13
Personnel Expenses	109,545.87
Legal and Accounting Fees	6,321.25
Credit Voucher	75.00
Collectibles expense (See text)	17,363.26
Utilities	36,448.12
Maintenance	14,046.30
Miscellaneous expense	67,414.27
Book Publications Expense	69.90
Advertising	8,942.98
Refunds	5,031.26
Uncategorized Expenses	8,207.77
Insurance	13,174.89
Interest expense	39,374.84
Taxes	12,897.06
Reproduction Expense	4,721.49
Bad Debts	16,000.00
Total Expense	1,199,029.26
Net Ordinary Income	914,635.30
OTHER INCOME/EXPENSE	
Other Income	
Other Income	55,456.68
TSOB to Cash Flow	7,790.80
Surplus Bank Money to Cash Flow	643.45
Total Other Income	60,790.93
Net Other Income	60,788.93
Net Income	975,426.13

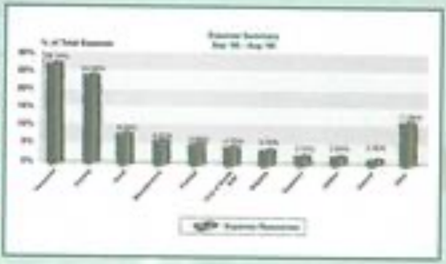
National Model Railroad Association, Inc.
Summary Balance Sheet
As of August 31, 1999

ASSETS	
Current Assets	
Checking/Savings	507,373.36
Accounts Receivable	11,393.37
Other Current Assets	157,431.67
Total Current Assets	796,416.00
Fixed Assets	2,077,638.48
TOTAL ASSETS	2,874,054.48
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	78,197.23
Other Current Liabilities	816,983.04
Total Current Liabilities	895,180.27
Total Liabilities	895,180.27
Equity	1,978,874.21
TOTAL LIABILITIES & EQUITY	2,874,054.48

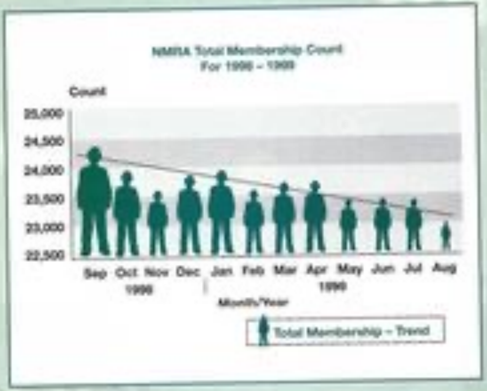
Financial Statements

Financial Statements





Financia



Statements

Bulletin Board

Continued from page 49

Model Railroad Engineer—Electrical

[illegible]

Chief Dispatcher

[illegible]

Association Official

[illegible]

Association Volunteer

[illegible]

Model Railroad Author

[illegible]

[illegible]

Pass Exchange

[illegible]

PASS OF THE MONTH

[illegible]

— [illegible]

THIS MONTH'S PASSES

[illegible]

Welcome Aboard

[illegible]

Youth Members

[illegible]

NMRA

Roco

Intellibox

E-R Model Importers, Ltd.

Heather Robinson, Hamilton, ON Canada
Jon Scotty, Mt. Gilead, OH
Kevin Stein, McCalla, IL
Ian Strathearn, Ashcroft, BC Canada
Eric Sundell, Marquette, MI
Matthew White, Kettering, OH
John Hanick, Washington, DC
Dan Weingartner, Slinger, WI

Foreign

Osamu Takeuchi, Kanagawa, JPN
Shigeru Urata, Saitama, JPN
Hiroyuki Murakami, Mie, JPN
Takumi Takagi, Tokyo, JPN
Tomoyuki Nakamura, Tokyo, JPN
Eero Parkkinen, Helsinki, FIN
Rodolfo Martinez Gomez, Santiago, CHI
Michael Schildbach, Nurnberg, GER
Akio Suzuki, Kanagawa, JPN

Northeastern

Russell Mattice, Schenectady, NY
Norman Hasse, Auburn, ME
George Zone, Washington, NJ
Paul D'Alessio, Saint John, NB
Frederick Ascioti, Brooklyn, NY
John Dunn, Harrison, NY
Gary Martens, Lake Placid, NY
Betty Trueheart, Bedford, NY
Laurie Adams, Quincy, MA
Bruce DeLucia, Cranston, RI
Peter Fournier, Carmel, NY
George Weber, Suffolk, NY
Michael D'Agostino, Chappaqua, NY
William Keeling, N. Burlington, NY

Ronald Fournier, S. Windsor, CT
Frank Lucas, Glastonbury, CT
William Powers, Sutton, MA
Donald Perry, Leominster, MA
William Irish, Waitsfield, VT
David Ellis, Wethersfield, CT
John Barrington, Westwood, MA
Russell Reynolds, N. Hampton, NH
Robert Bruno, Hudson Heights, NY
William McCarthy, Inverness, NS
Ed Averill, S. Schodack, NY
Robert Emmons, Framingham, MA
Thomas Tenggren, South Portland, ME
L. Reed, Brooklyn, NY
Richard Kell, Mystic, CT
Roger Boettcher, Ellsworth, ME
Kenneth Hubbard, Mundane, NY
John Mahoney, Bedford, NH
Taylor Denton, Hingham, MA
Valerie Maxwell, Boston, MA
Thompson Goodrich, Hardwick, VT
Dan Goodrich, Hardwick, VT
Dan Dawson, St. Johnsbury, VT
Carlo Orsini, East Berlin, CT
Norman Snyder, Clifton Park, NY

Niagara Frontier

Richard Schur, Watertown, NY
Al Wacko, Cheektowaga, NY
James Mitchell, London, ON, Canada
Duncan Miedl, Oshawa, ON, Canada
John Hagerman, Port Dover, ON, Canada
John Dallaire, Richmond, ON, Canada
Brian Tovey, Kingston, ON, Canada
Lawrence Murray, Holland, NY

Sam Burman, Hamilton, ON, Canada
Ed Lukas, Bond Head, ON, Canada
Ted Wright, Oakville, ON, Canada

North Central

Robert Grant, Ann Arbor, MI
Brian Sheets, Garden City, MI
Bob Lawrence, Kalamazoo, MI
John Chandler, Canton, MI
Bruce Winrich, Walled Lake, MI
Deborah Winrich, Walled Lake, MI
Kevin Loescher, Fenton, MI
Bradford Bates, Ann Arbor, MI
Robert King, Muskegon, MI
John Weiland, Lansing, MI

Thousand Lakes

Byron Oakley, Huron, SD
Scott Fjerstad, Hastings, MN
Michael De Leon, Coon Rapids, MN
Roy Schulz, Coon Rapids, MN

Pacific Northwest

Frederick Goddard, Nanoose Bay, BC, Canada
Christian Fuchs, Bellevue, WA
Fran Hart, Edmonds, WA
Samuel Johnson, Seattle, WA
Robert Keeney, Seattle, WA
Henry Lobbert, Coaldale, AB, Canada
Edward Parsons, Ashcroft, BC, Canada
Doyle Rees Thomas, West Vancouver, BC, Canada
Milton Schroeder, Woodinville, WA
Jo Schroeder, Woodinville, WA

Precision Hobby Tools For Today's Modelers

NWSL

N SCALE TRAIN

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John Thompson, Bellevue, WA
Michael Adams, Tacoma, WA
Ken Schwartz, Williams Lake, BC, Canada
Jeff Erich, Lake Oswego, OR
Jennifer Boswell, Coulee City, WA
John Ritchie, Portland, OR
James Dzienis, Everett, WA
Montague Craske, Burnaby, BC, Canada
James Brooks, Gig Harbor, WA
Douglas Rutger, Seattle, WA
Brent Carlson, Seattle, WA
Gregory Cole, Clarkston, WA
Ernie Willard, Bothell, WA
Mark Widney, Boise, ID
Marilyn Widney-Hammel [illegible], Boise, ID
Robert Widney, Boise, ID

Pacific Coast

David Rafferty, Morgan Hill, CA
Family Member Holland, Morgan Hill, CA
T. Roland, Saratoga, CA
Cliff Simes, Dixon, CA
Bruce Walden, San Jose, CA
Michael Parsons, Campbell, CA
Clarence Williams, Suisun City, CA
Richard White, Modesto, CA
Robert Romero, Daly City, CA
Martin Bernhard, Westlake Village, CA
Robert Lazzetti, Carson City, NV
Jim Christiansen, San Jose, CA
Dale Clayton, Palo Alto, CA
Bob Dell, San Carlos, CA
Phillip Gotfey, Auburn, CA
Seth Mallory, Palo Alto, CA
James Zoetl, Danville, CA
Christopher Brennan, San Francisco, CA
Patrick York, San Leandro, CA
Eugene Weir, Susanville, CA
Edward Parks, San Francisco, CA
David Baird, San Jose, CA
Fred Ward, Los Altos, CA
W. Bowey, Foster City, CA

Rocky Mountain

Mark Salazar, El Paso, TX
Chuck Sanderson, Canon City, CO
John Hean, Golden, CO
Gary Coleman, Palmer Lake, CO
Joe Hickey, Lakewood, CO
Frank Johnson, Divide, CO
Larry Larsen, Durango, CO

Mid West

Mark Truitt, South Bend, IN
Bill Demerbus, Elk Grove Village, IL
Richard Adams, Sheridan, IN
Chris Miller, St. Peter, IL
Michael Kaye, Brookshire, IL
Robert Scott, Spring Green, WI
Roberto Crippinger, Brookfield, WI
Robert Adams, Plymouth, MI
Norman Dahl, Elgin, IL
L. Marshall Rush, Muncie, IN
Mike Hogan, Evergreen Park, IL
Raymond Jones, Chicago, IL
Doty Retzlaff, Appleton, WI
Darren Hensel, Indianapolis, IN
Todd Bushman, Greenbay, WI
Ryan Lamb, Madison, WI
David Phoenix, Bloomington, IL
Daniel Dietl, Rockford, IL
Terry Freeman, Dunwoody, OH
Scott McNaughton, Spring Valley, IL
Bernard Jenk, Springfield, IL

HO Details
1880's to early 1900's

Attention Digitrax Users
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Mid Continent

Jack Keller, Springfield, MO
Mark [illegible], St. Louis, MO
Patrick Dunkel, [illegible], OK
Donald Stewart, Hot Springs Village, AR
Kenneth Yerkes, [illegible], MO
Joe McCoy, [illegible], KS
Lynn Lumbert, Huntsville, AR
Michael [illegible], Glen Carbon, IL

Mid Eastern

Robert Bricker, [illegible], PA
Marvin [illegible], Durham, NC
Leslie [illegible], Harrisburg, PA
Scott [illegible], Martinsburg, WV
Keith [illegible], Smithsburg, MD
Dennis [illegible], Chesapeake, VA
Eric Bergman, Springfield, VA
Bruce Barry, Pittsgrove Township, NJ
Douglas Frank, Newark, DE
John Scott, [illegible], Virginia Beach, VA
John [illegible], Strasburg, PA
Richard Lear, Charlottesville, VA
Mike Parry, [illegible], PA
Robert [illegible], Bel Air, MD
Jason Sutton, Dunkirk, MD
Bobby Bird, Glen Allen, VA
Dana Tate, Glen Allen, VA
Arthur [illegible], Stevensville, MD
Anthony [illegible], Mays Landing, NJ
Paul McBride, Warminster, PA
John [illegible], Lumberton, NJ
Bryan Johnson, Hamilton Sq., NJ
Jeffrey VanderDuin, Arnold, MD
Ron Kita, Allentown, PA
Ira Kay, Allentown, PA
Robert Armstrong, Clifton, VA
Scott Turner, Spring City, PA
H. [illegible], [illegible], MD
Thomas Burgin, Baltimore, MD
George [illegible], [illegible], NC
Trent [illegible], Hershey, PA
Joseph [illegible], Mays Landing, NJ
J. George Bolt, Beltsville, MD
Marty [illegible], Berlin, MD
Thomas [illegible], Oxford, PA
L. Greg Hallman, Richmond, VA
Robert Rodrigues, Dumfries, VA
Carl [illegible], Hatfield, PA
Lloyd [illegible], Mt. Airy, MD

Lone Star

Jack Whitehouse, Laredo, TX
Ron [illegible], Garland, TX
Robert [illegible], Houston, TX
Randy Stuart, [illegible], TX
Dave Lee, Kingwood, TX
Richie Tucker, San Antonio, TX
Jamie [illegible], Arlington, TX
Jeffrey Brown, Arlington, TX

Mid Central

Michael [illegible], Cincinnati, OH
Peter Boone, Lexington, KY
Tom Argo, Hilliard, OH
Emery [illegible], Heath, OH
Fred Smith, Indian Springs, OH
Scott [illegible], Ashland, KY
Elaine Childers, Ezel, KY
Jonathan Jablonski, S. Euclid, OH
Robert Kemper, Pittsburgh, OH
Ted [illegible], North Huntingdon, PA
James Wallace, Cleveland, OH

Continued on page [illegible]

C.L.A.M.S.

DIORAMAS

[illegible]

BARRELS

[illegible]

The best wood on the market!

KAPPLER
Mill & Lumber Co.

[illegible]

Kappler Mill & Lumber Company
[illegible]

Addams Ave.
Port Sec.

[illegible]

[illegible]
[illegible]

DOWNTOWN DECO
[illegible]

"Why play with toys
when you can run
the prototype?"
Visit our website
[illegible]

DIGITAL SOUND MODULES
Bring your layout to life with sound
[illegible]
$29.95 ea
[illegible]

COUNTRYSIDE MODELS
[illegible]

WANTED: RETIRED MODEL RAILROADERS
[illegible]

Decals
[illegible]

TROLLEY TALK
[illegible]

[illegible]

HIGHBALL BALLAST
[illegible]

For Sale: P.R.R. Brass Signal Bridges, 3-track. Four. New. $18.50 each. Precision Scale. Milton H. Obrock, Jr., 2183 Kehrs Ridge Dr., Chesterfield, MO 63005. [illegible]

Wanted: Warbus [illegible] Harvey [illegible] Tacoma, WA 98405 [illegible]

HO For Sale: Plastic, Metal, Steam, Diesel, Passenger, Freight, Buildings, Vehicles, Books & Magazines. Keith F. Cornell, 29616 W. Indian Ridge Ct., Agoura Hills, CA 91301. E-mail. [illegible]

Wanted: Heritage Car #[illegible], Farm-O-Rama, Frank Urban, 3845 Embarcadero Drive, Brookfield, WI 53045. [illegible]

For Sale: [illegible] Berkshire [illegible] Diamond Scale #1051 [illegible] $60.00. Joe Stevenson, 300 Durham Ct., Brandon, MS 39047. (601) 992-9706. [illegible]

Wanted: Shore Trains Christmas Cars for 1991, 1992, 1993 and 1995. Raymond F. Canova, [illegible] Hummingbird Lane, Humble, TX 77396. (281) 441-3627. [illegible]

Wanted: Travel Partners, Trans-Siberia RR, Chinese RR, Moscow-Peking-Hongkong, Spring/Summer 2000. Ewald Kiss. (954) 524-[illegible] [illegible]

For Sale: 300+ issues of Model Railroader 1961-98 complete plus others $150.00 US plus shipping. Peter Nesbitt, 1656 Glendale Ct., Mississauga, Ontario, Canada [illegible]

WHAT IS MRIA?
VISIT OUR WEBSITE
TO FIND OUT WHO WE ARE
AND WHAT WE DO FOR YOU.
http://www.mria.org
[illegible]

Wanted: Walthers HO Circus Seat Wagons #933-1017, built or kit. Dick Roberts, 905 Meadowood Drive, Modesto, CA 95355. [illegible]

Trade: HO B&O [illegible] for [illegible] gauge [illegible]. Jeff Sheldon (360) 966-2726. E-mail. [illegible]

For Sale: Great Model Railroads, Vintage Rails, other magazines and books. Some HO freight cars. Free list. Peter Moesinski, Jr., 38 Cameron Circle, Clementon, NJ 08021-4805. [illegible]

Sell: Genuine [illegible] Sound Systems, Diesel/Railcars, Reverbs, Recorders, Tapes, Etc. [illegible] SASE for details. Jon Scondia, [illegible] Mohawk Drive, McKeesport, PA 15135. [illegible]

For Sale: [illegible] Also '76 New/Box $185.00. Milton Obrock, Jr., 2183 Kehrs Ridge Drive, Chesterfield, MO 63005-4945. [illegible]

Wanted: Box cab diesels, all manufacturers, especially Aristocraft, [illegible] HO. Joe Feldman, [illegible] Lincoln Drive, [illegible] Des Plaines, IL 60016. [illegible]

For Sale: "Lo Train of Tomorrow" excellent condition. $1,975.00 [illegible] Gardner, [illegible] Bennet, NE 68317. (402) 782-[illegible]. [illegible]

Wanted: HO [illegible] by [illegible] or Model Power [illegible] shifter also. Bob Haggart, [illegible] Colorado Springs, CO 80911. [illegible]

Wanted: Great Northern HO Special Edition Athearn #[illegible] Dave Chumak, c/o Mason Systems, [illegible] Ave. NW, Edmonton, Alberta, Canada T5S [illegible]. (780) [illegible]

Wanted: Champ decals [illegible] Larry McAfee, [illegible] 47th Terrace, Kansas City, MO [illegible]

Wanted: Copy of "Classic Freight Cars," Volume 3 Tank Cars. Roger Gibson, 1105 Gotcher Road, Wilmington, DE 19803-[illegible] (302) 478-[illegible]

Wanted: HW&L [illegible]

[illegible] Canton, OH [illegible]

Sale: Stock [illegible] 1 NM Trains, 4 NMRA, 4 PRR, Heritage 11 volumes. Make offer [illegible] [illegible], P.O. Box [illegible], Summerton, SC 29148. [illegible]

Wanted: [illegible] & [illegible] NMRA Heritage Series [illegible] in Z and N scale. Pat Turner, [illegible] Road, Peachtree City, GA [illegible] (770) 487-5028. [illegible]

Wanted: MG [illegible] 2-8-2, [illegible] drivers, [illegible] 70' [illegible]-baggage, Harriman roof, [illegible]. William [illegible], [illegible] Way, Newport, OR 97365. [illegible]

Sale: Powerhouse [illegible] painted, smooth running, powerful, no box, [illegible] $[illegible] plus post. [illegible], [illegible] Regent Street, London, Ontario, Canada [illegible]

For Sale: [illegible] custom painted by [illegible]

[illegible] and [illegible], $[illegible] shipping each. [illegible], [illegible] Street, Silver Spring, MD [illegible]

For Sale: Sunset [illegible] scale, factory painted, best offer. Bruce [illegible], [illegible] West [illegible], IN [illegible]

Wanted: PFM [illegible] 1980 [illegible] preferred. Contact [illegible] with condition and price. [illegible], [illegible] Street, Dunedin, FL [illegible]

Wanted: MG [illegible] for [illegible] Products [illegible] Tel/Fax [illegible]

Commercial & Nonmember

Wanted: STOCK CERTIFICATES Railroads and others. [illegible] Toll Free 1-888-[illegible] [illegible], Box [illegible], Wilmington, DE [illegible]

Black Bear Construction Co.

[illegible]

FREE CLASSIFIEDS!

Classified ads are available free to all NMRA members on a space available basis for non-commercial use only. [illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. Ads should be mailed to **NMRA Classifieds, P.O. Box [illegible], Powell, OH [illegible]**. [illegible]
7. [illegible]
8. [illegible]

COMMERCIAL AND NON-MEMBER CLASSIFIED ADVERTISING

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. Ads should be mailed to **NMRA Classifieds, P.O. Box [illegible], Powell, OH [illegible]**. [illegible]
6. [illegible]
7. [illegible]

This Program may be cancelled or modified at any time.

Southeastern
William Taylor, Loudon, TN
Bill Ruck, Columbus, GA
David Johnson, Chattanooga, TN
Glenn Ortiz, Nashville, TN
Samuel Hoskins, Tullahoma, AL
Dan Pearson, Cumming, GA
Joseph Alexander, Thonotosassa, FL
Phillip McDowell, Nashville, TN
Harris Bailey, Lewisburg, TN
Raymond Brooks, Long Beach, MS
Nelson Fox, Savannah, TN
Dan Cook, Marietta, GA
Ron Smith, Meridian, MS
Jack Mitchell, Alpharetta, GA
G. Richard Howard, Lilburn, GA

British
P. Rotella, Essex, United Kingdom
M. Hebb, [illegible], Wales
P. Nee, Somerset, United Kingdom
[illegible], Birmingham, United Kingdom
R. Jensen, Kent, United Kingdom
A. Pollard, London, United Kingdom

Sunshine
Walter Petty, Palm Beach Gardens, FL
Jack Mason, Bradenton, FL
Thomas Bassett, Jupiter, FL
Joseph Furone, Coconut Creek, FL
Arthur Priestley, Ft. Lauderdale, FL
Annette Priestley, Ft. Lauderdale, FL
Harry Dunn, Boynton Beach, FL
Virginia Dunn, Boynton Beach, FL
John Remington, Fort Lauderdale, FL
Lloyd Davey, West Palm Beach, FL
Mark [illegible], Loxahatchee, FL
John Hastings, Titusville, FL
Sharon Hastings, Titusville, FL
Gilbert Preston, Gainesville, FL
William [illegible], Leesburg, FL
Fred Myers, Loxahatchee, FL

Pacific Southwest
Dan Johnson, San Diego, CA
Thomas Hoffman, Anaheim, CA
Robert Krauk, Manhattan Beach, CA
John Parsons, Glendale, AZ
Neal Wolfe, Glendale, AZ
David Sanchez, Rosemead, CA
Thomas Brigham, San Pedro, CA
Don Hatch, Camarillo, CA
Larry Henge, Henderson, NV
Ryan Dalby, Scottsdale, AZ

Australasian
Peter Doherty, Victoria, Australia
John Denney, Mitcham, Australia

Nanuk or Alaska?
[illegible]
[illegible] Publishing Company

DYNATROL
IR-T22
DCC Wireless
Hand Held
With Real Knobs!
[illegible]

GN EMPIRE BUILDER

1951 Observation for 1955
[illegible]
Shoreham Shops Limited
HO scale brass • P.O. Box [illegible], Eagan, MN 55122 • Info [illegible]

Infra Red
Detection of Trains (IRDOT)
[illegible]
[illegible]

National

[illegible]

Regions

[illegible]

[illegible]

Divisions

[illegible]

Hand Crafted Excellence!

[illegible]

SignsGalore

[illegible]

[illegible]

RAM Track NEW FOR 2000

You Ask, RAM Track Responds!!

[illegible]

RAM Track

The

INNOVATOR
WALK-AROUND
THROTTLE

[illegible]

How to Submit to Club Car

[illegible]

- Sponsoring organization
- Specific location

[illegible]

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By Jennifer Ehli, Operations Assistant

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Books

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By [illegible]. Available from [illegible] Publishing, P.O. Box [illegible] [illegible]

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Union Station: A History of Washington's Grand Terminal

By Carol M. Highsmith and Ted Landphair. Available from [illegible] Washington, D.C. [illegible] 128 pages, black and white and color photos, $[illegible] plus $[illegible] shipping and handling.

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[illegible]

Northwest Passage

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Magnetic North: Canadian Steam in Twilight

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[illegible]

Advertiser Index

— A —
Alley Hound Graphics ... [illegible]
[illegible] Roadbed ... [illegible]
[illegible] ... [illegible]
Aristo-Craft ... 2
A-Line ... DC
Aztec Manufacturing Company ... [illegible]
— B —
Bachmann ... [illegible]
Bachmann Car Shops ... DC
Black Bear ... DC
Blue Line Signs ... [illegible]
B.T.S. ... 17
— C —
Caboose Hobbies ... 7
Centerline Products ... [illegible]
C.L.A.W.S. ... [illegible]
Countryside Models ... DC
— D —
Dallas Electronics, Inc. ... [illegible]
DIGITRAX Inc. ... [illegible]
Downtown Deco ... [illegible]
[illegible] ... [illegible]
— E —
E-B Products ... [illegible]
E.R. Model Importers ... [illegible]
Evergreen Hill Design ... [illegible]
— [illegible] —
[illegible] Productions ... [illegible]
— H —
Highball Products ... [illegible]
— I —
[illegible] ... [illegible]
— K —
Kadee ... 14
Kappler Mill & Lumber ... [illegible]
Kam Industries ... [illegible]
Kato ... 47
— L —
LBF ... [illegible]
Lenz Digital Plus ... [illegible]
Life-Like ... [illegible]
[illegible] ... [illegible]
[illegible] ... [illegible]
— M —
Micro Scale Industries ... [illegible]
Micro-Trains ... [illegible]
Model Railroad Industry Association ... DC
[illegible] ... [illegible]
Mt. Albert Scale Lumber ... [illegible]
MTS Imports ... [illegible]
[illegible] Miniatures, LLC ... [illegible]
— N —
Narrow Gauge Gazette ... [illegible]
NMRA Catalog ... [illegible]
NMRA [illegible] ... [illegible]
NMRA Open Loads ... [illegible]
NMRA Registration Form ... [illegible]
North West Short Line ... [illegible]
— O —
[illegible] Publishing ... [illegible]
Oakwood Models ... [illegible]
— P —
[illegible] Systems, Inc. ... [illegible]
[illegible] Hobbies ... [illegible]
— R —
[illegible] Track ... [illegible]
[illegible] Models ... [illegible]
Run Your Own Railroad ... DC
— S —
Scenic Express ... [illegible]
[illegible] ... [illegible]
[illegible] Electronics ... [illegible]
[illegible] Limited ... [illegible]
— T —
The [illegible] ... [illegible]
Tomar ... [illegible]
[illegible] Trains ... [illegible]
Trix ... [illegible]
Trolley Talk ... [illegible]
Turkey Creek 2000 Division Show ... [illegible]
— V —
Video Entertainment/Train Cam ... [illegible]
— W —
Wm. K. Walthers ... [illegible]
Woodland Scenics ... [illegible]
Note "DC" indicates Display Classified
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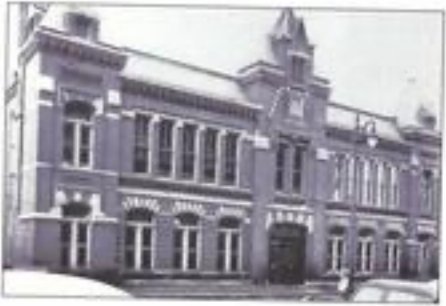

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